



1F 2631  
PATENT  
Attorney Docket No. 13199US02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:

Thomas Kolze et al

Serial No. 10/000,415

Filed: November 2, 2001

For: DETECTION AND MITIGATION  
OF TEMPORARY IMPAIRMENTS  
IN A COMMUNICATIONS  
CHANNEL


Examiner: Kumar, Pankaj

Group Art Unit: 2631

Confirmation No.: 9101

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is  
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Amendment, Commissioner for Patents,  
P.O. Box 1450, Alexandria, VA 22313-  
1450 on 12/23/05.

By:   
Christopher C. Winslade  
Reg. No. 36,308

**TRANSMITTAL OF SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENT  
AFTER APPLICATION FILING DATE**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**ENCLOSURES**

Enclosed are the following:

- \* A completed PTO/SB/08A which has one (1) page, with a copy of same.
- \* A copy of each printed or patented reference listed in the enclosed form PTO/SB/08A and not previously provided to or by the PTO in this application. Eight (8) documents are enclosed.
- \* A copy of the European Search Report for the European application, No. 02253867.0 corresponding to the above application.

12/29/2005 EAREGAY1 00000017 130017 10000415

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## FEE DETERMINATION

- \* A fee is believed to be due.
- \* In compliance with 37 C.F.R. § 1.97(c)(2), Applicants respectfully submit the fee as set forth in 37 C.F.R. § 1.17(p) in the amount of \$180.00.

## FEE PAYMENT

The following arrangements have been made to pay the fees calculated above:

- \* The Commissioner is hereby authorized to charge the fee of \$180.00 to Deposit Account No. 13-0017, in the name of McAndrews, Held & Malloy.

## REQUEST FOR CONSIDERATION

- \* This paper and enclosures are believed to be entitled to consideration under 37 C.F.R. § 1.97, based on the facts stated above.

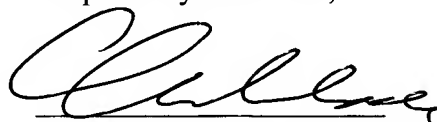
\* This submission is in no way intended as an admission that the cited references constitute prior art under any subsection of 35 U.S.C. § 102 or §103. Applicant expressly retains the right to argue that any of the cited references are not indeed prior art or to take any actions necessary to remove any of the cited references from the available prior art.

- \* The Examiner is requested to initial both copies of the enclosed PTO/SB/08A and return one copy to the Applicants to indicate consideration of the enclosed references.

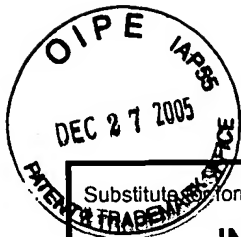
Dated: 12/22/05

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(312) 775-8000

Respectfully submitted,



Christopher C. Winslade  
Reg. No. 36,308  
Attorney for Applicant(s)



<b>Substitute Form 1449A/PTO</b> <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)  Sheet 1 of 1				<b>Complete if Known</b>	
				Application Number	13199US02
				Filing Date	11-2-2001
				First Named Inventor	Kolze et al
				Group Art Unit	2631
				Examiner Name	Kumar, Pankaj
				Attorney Docket Number	13199US02

U.S. PATENT DOCUMENTS					
Examiner Initial*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	A1	US-5,942,003 A	08-2401999	Ivry et al	
	A2				
	A3				
	A4				
	A5				

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	A6	WO-01/26318 A	04-12-2001	Oak Technolgy, Inc.		
	A7	EP-0991239 A	04-05-2000	British Broadcasting Corporation		
	A8	EP-0689312 A	12-27-1995	NEC Corporation		
	A9	WO-97/50198 A	12-31-1997	Ericsson Inc.		
	A10					

OTHER ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	A11	WEON-CHEOL L ET AL, "Performance Analysis of Viterbi Decoder Using Channel State Information in COFDM System", IEEE Transactions on Broadcasting, IEEE Inc. New York, USA, vol. 44 no. 4, December 1998, pp 488-496, XP002342542.
	A12	MIGNONE V ET AL, "CD3-ODFM: A New Channel Estimation Method to Improve the Spectrum Efficiency in Digital Terrestrial Television Systems", International Broadcasting Convention, no. 413, September 14, 1995, pp 122-128, XP000617513.
	A13	JACOBSMEYER J M, "An Adaptive Modulation Scheme for Bandwidth-Limited Meteor-Burst Channels", 1988 IEEE Military Communications Conference, New York, USA, October 23, 1988, pp 933-037, XP010072049.
	A14	
	A15	

EXAMINER SIGNATURE	DATE CONSIDERED
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450 Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. Send TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1800-786-9199) and select option 2.